

Daily Report

August 8, 2010

R/V Ferrel  
Lauren Tom and Krystle Chavarria

1. Safety meeting (06:30)
2. Arrived at sampling station (07:00).
3. Sampling begins (08:00)
4. Three stations were sampled today with four samples per station, including surface samples.
5. Lauren=DNA, RNA, PLFA (MoBio filter), Krystle=AODC, Stable Isotope, VOA Analysis, Nutrient Chemistry, Uncontaminated plume depth water, Culturing, PLFA (Sterivex filter),
6. Sampling Nomenclature

SW-YYYYMMDD-VesselMission#-SampleID  
BP-TransectNumber##-SamplingSite##

### First station

2 miles from wellhead. No DO decline or fluorescence peak. Repeated sampling site: BM077,  
BM080

SW-20100808-FER6-xx  
BP-TN10-SS**01**

1. First sample:  
SW-20100808-FER6-**01** (1480m)  
BP-TN10-SS01
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
2. Second sample:  
SW-20100808-FER6-**03** (1130m)  
BP-TN10-SS01
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L), Uncontaminated plume depth water, Glycerol Stocks
3. Third sample:  
SW-20100808-FER6-**05** (900m)  
BP-TN10-SS01
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
4. Fourth sample:  
SW-20100808-FER6-**07** (surface)  
BP-TN10-SS01
  - AODC, DNA (2L), RNA (2L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 900mL + MoBio Filter 1.1L)

### **Second station**

2 miles from wellhead. No DO decline or fluorescence peak. Repeated sampling site: BM076, BM106, OV010

SW-20100808-FER6-xx  
BP-TN10-SS02

1. First sample:  
SW-20100808-FER6-**08** (1480m)  
BP-TN10-SS02
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
2. Second sample:  
SW-20100808-FER6-**10** (1130m)  
BP-TN10-SS02
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
3. Third sample:  
SW-20100808-FER6-**12** (900m)  
BP-TN10-SS02
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
4. Fourth sample:  
SW-20100808-FER6-**14** (surface)  
BP-TN10-SS02
  - AODC, DNA (2L), RNA (2L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 1000mL + MoBio Filter 1000mL)

### **Third station**

2 miles from wellhead. No DO decline or fluorescence peak. Repeated sampling site: BM056, BM075

SW-20100808-FER6-xx  
BP-TN10-SS03

1. First sample:  
SW-20100808-FER6-**15** (1480m)  
BP-TN10-SS03
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
2. Second sample:  
SW-20100808-FER6-**17** (1130m)  
BP-TN10-SS03

- AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
3. Third sample:  
SW-20100808-FER6-**19** (900m)  
BP-TN10-SS03
  - AODC, DNA (4L), RNA (4L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 600mL + MoBio Filter 1.4L)
4. Fourth sample:  
SW-20100808-FER6-**21** (surface)  
BP-TN10-SS03
  - AODC, DNA (2L), RNA (2L), Stable Isotope, VOA Analysis, and Nutrient Chemistry, PLFA (Sterivex 1000mL + MoBio Filter 1000mL)